

... **Competitiveness and Innovation Programme (CIP)**  
**ICT Policy Support Programme (ICT-PSP)**

# **CIP ICT-PSP**

## **Implementation report 2009**



**JUNE 2010**

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## 1. INTRODUCTION : THE ICT PSP

The Information and Communication Technology (ICT) Policy Support Programme (ICT PSP) is one of the three specific programmes of the Competitiveness and Innovation Framework Programme (CIP).

The ICT PSP aims at accelerating the development of a sustainable, competitive, innovative and inclusive information society. It aims at stimulating innovation and competitiveness through a wider uptake and better use of ICT by citizens, governments and businesses.

It is one of the main financial instruments in support of the EU strategic framework, i2010 – promoting an open, innovative and competitive digital economy and emphasises ICT as a driver of inclusion and quality of life.

The uptake of ICT in businesses is in general addressed by the private sector, for which public policies focus on creating the best conditions for business developments and on raising awareness of the benefits of the technology innovations notably to SMEs.

At the same time, areas of public interest like health, inclusion, public administrations or energy efficiency, require more pro-active policies for ensuring the deployment of innovative and more efficient services through a wider uptake and better use of ICT.

The major hurdles preventing this uptake in areas of public interest, include the unavailability or too low emergence of those ICT-based services despite technology maturity; the lack of interoperability of solutions across the Member States; as well as the market fragmentation of the information space and of ICT-based solutions.

The ICT PSP helps overcome those hurdles by hindering the development of an information society. It helps develop markets for innovative ICT-based solutions notably in areas of public interest. This helps open a wide range of new business opportunities in particular for innovative SMEs those solutions.

The ICT PSP supports mainly pilot actions aimed at solving interoperability issues and validating innovative ICT based services in real settings. It also supports networking actions developing experience sharing and consensus building. Those actions are complemented by benchmarking the development of the information society in Europe, supporting policy development and coordination through analysis and awareness raising actions.

As foreseen in the CIP legal base (article 50), the ICT PSP work programme fully integrates from 2009 on<sup>1</sup>, activities in support of the development of digital content that have been funded by the eContentplus programme<sup>2</sup> until 2008.

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<sup>1</sup> The support of the development of digital content that was done through the eContentplus programme until the end of 2008 ([http://ec.europa.eu/information\\_society/activities/econtentplus/index\\_en.htm](http://ec.europa.eu/information_society/activities/econtentplus/index_en.htm))

<sup>2</sup> <http://ec.europa.eu/econtentplus/>

## 2. OVERVIEW OF ICT PSP ACTIVITIES IN 2009

### 2.1. WORK PROGRAMME 2009

The annual work programme for 2009 was established by Commission Decision C(2009)400 of 26 January 2009 following the positive opinion of the ICT PSP Management Committee (CIP- ICTC) on 13 November 2008 and the EP scrutiny period.

The annual work programme for 2009 was amended by Commission Decision C(2009)3996 of 3 June 2009 following the positive opinion of the ICT PSP Management Committee (CIP- ICTC) on 26 March 2009 and the EP scrutiny period.

The total budget available for the ICT PSP Work programme 2009 was €107,479 million.

The ICT PSP work programme 2009 was primarily based on the following eight themes:

- Theme 1: ICT for health, ageing and inclusion
- Theme 2: Digital Libraries
- Theme 3: ICT for government and governance
- Theme 4: ICT for energy efficiency and environment
- Theme 5: Multilingual Web
- Theme 6: Public Sector information
- Theme 7: Internet evolution and security (including RFID)
- Theme 8: Open innovation, user experience and living labs

Those themes have mobilised the main part of the budget. They have been addressed through specific objectives to be supported by a limited number of high impact pilot projects or thematic networks.

The pilots and the thematic networks have been selected through two open calls for proposals for a total indicative budget of €106.5 million.

The call - ICT PSP Call3 - opened from 29 January to 2 June 2009 for an indicative budget of €99.5 million.

The call - ICT PSP Call3bis - opened from 5 June to 23 September 2009 following the amendment of the work programme. It added €7 million to support pilot projects addressing a specific objective on "eParticipation" under the Theme 3 "ICT for government and governance"<sup>3</sup>.

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<sup>3</sup> The ICT PSP Work Programme 2009 and information on ICT PSP Call3 and Call3bis are available on [http://ec.europa.eu/information\\_society/activities/ict\\_psp/participating/calls/call\\_proposals\\_09/index\\_en.htm](http://ec.europa.eu/information_society/activities/ict_psp/participating/calls/call_proposals_09/index_en.htm) and [http://ec.europa.eu/information\\_society/activities/ict\\_psp/participating/calls/call\\_proposals\\_09\\_bis/index\\_en.htm](http://ec.europa.eu/information_society/activities/ict_psp/participating/calls/call_proposals_09_bis/index_en.htm).

## Implementation measures (or funding instruments) for call for proposals

Two types of pilot actions are supported:

- Pilot A: pilot building on existing National initiatives and aiming at developing interoperability and preparing for EU wide implementation of ICT based services.
- Pilot B: pilot showcasing and testing innovative ICT based solutions at real scale to demonstrate technical, organisational and legal feasibility

In both cases, a particular attention is paid on facilitating the scalability, further integration, replication or wider adoption of the piloted solutions.

Thematic networks gather relevant stakeholders in relevant areas for sharing experience, building consensus and preparing for further deployment of ICT based services in those areas.

A fourth implementation measure – Best Practice Network - has been introduced in 2009. It concerns the Theme 2 "Digital Libraries" only.

Best Practice Networks promote the adoption of standards and specifications for making European digital libraries more accessible and usable. They combine the "consensus building and awareness raising" function with the large-scale implementation in real-life context of one or more concrete specifications or standards.

## Other measures

Other implementation measures concerns benchmarking, studies, support to conferences and events. They have been also supported through calls for tenders or grants without call for proposals were planned for a total amount of nearly €8 million.

## **2.2. IMPLEMENTATION OF WP2009**

### Projects resulting from the Calls for proposals in 2009

The pilots, best practice networks and the thematic networks, selected through the two calls for proposals (call3 and call3bis), concern 49 retained proposals (from 187 proposals received). The overall budget amounts to €107.430 million.

The portfolio reflects a very good coverage of the 8 themes with almost all the objectives addressed, 2 out of 24 objectives having not been properly covered.

The portfolio is composed of high quality projects supported by consortia mixing public authorities, private companies - including SMEs - and other organisations.

Overall, public bodies represent 39% of participants in the selected proposals of the Call. SMEs represent around 30% of the participants, 31% are large enterprises or other entities such as intermediaries or user associations<sup>4</sup>.

The selected projects are launched during the first half of 2010 after negotiations. They include:

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<sup>4</sup> This level of participation is based on self declaration by participants in retained proposals.

- For "*Theme 1: ICT for health, ageing and inclusion*", a new Pilot A have been selected in the eHealth domain: RENEWING HEALTH aims to implement large-scale real-life test beds for the validation of innovative telemedicine services using a patient centred approach and a rigorous common assessment methodology. The pilot will be carried out in 7 of the most advanced regions in the implementation of health-related ICT services, from 7 different European States. The services are already operational at local level and target monitoring and treatment of patients with chronic diseases, specifically: COPD<sup>5</sup>, diabetes and cardiac failure. The pilot addresses the central role of patients in managing of their own diseases.

Also for "*Theme 1: ICT for health, ageing and inclusion*", four pilots (PilotB) have been selected for the objective on "ICT for ageing well / independent living".

InCASA; HOME SWEET HOME; INDEPENDENT and CAALYX-MV integrate a range of existing technologies in systems, which uses is to be validated through different sites in several countries. The aim is to improve the interactions of elderly person with medical and social carers, as well as with relatives; in view of enhancing their quality of life and ensuring safe independent living.

- For "*Theme 2: Digital Libraries*", the best practice network ASSETS aims to improve the usability of Europeana by improving its search, browsing and interface front-end services. building on the existing infrastructure and needs and taking ongoing projects into account. It will contribute significantly to the realisation of the European Digital Library by making content more accessible and retrievable. Three additional best practice networks CARARE, ECLAP and HOPE will aggregate content from different types of cultural organisations and will increase the digital cultural content accessible through Europeana. They will add significant digital collections in the domains of archaeological and architectural heritage, performing arts and social history.

In addition, three pilots (PilotB) EUROPEANA REGIA, thinkMOTION and EURO-Photo, will provide content to Europeana from 10 national news agencies and will ensure a wider availability of European cultural heritage in digital form. This targets digitisation works in the domains of royal manuscripts from the European Medieval and Renaissance period; mechanism and machine science (e.g. physical models of machines and mechanisms); as well as photographs from the beginning of the 20th century to the mid-1990s.

For the specific purpose of education, the pilot (B) NATURAL EUROPE aims to create a methodology and solutions to connect the digital collections of natural history museums with Europeana. It plans to overcome the pedagogical and technical barriers in an efficient and coherent way, to aggregate content within the Natural Heritage domain and to increase its availability for educational purposes on a large scale.

Two additional pilots (B) concern other activities in the domain of digital libraries. VOA3R will pilot open access to scientific information through a federated search tool allowing the search of scientific information by specific variables or research techniques. EuDML plans to create a European Digital Mathematical library to make scientific content in the field of mathematics more available.

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<sup>5</sup> COPD : Chronic Obstructive Pulmonary Disease

- For "*Theme 3: ICT for government and governance*", one notes the enlargement of two large scale pilot actions (Pilot A) – PEPPOL dealing with interoperable electronic procurement and STORK dealing with the interoperable electronic identification systems. Those two projects were launched in 2008. This reflects the high interest raised by those two pilots during their first phase of implementation and the fact that additional member or associated states want to join and co-invest for participating in the testing and the validation of interoperable services. In total, 9 Member States have foreseen further participation: 6 for PEPPOL and 3 for STORK.

Three additional pilots (Pilot B) have been selected to support inclusive eGovernance. EGOV4U is user and needs driven and aims to replicate and deploy a range of best practice services which are contextualised, citizen centric and delivered through multiple channels to all participating cities. CEMSDI aims to address the training needs of administrators of small public administrations (8,000 inhabitants or less) through the development of a network of eGovernment experts, a community of practice, a core group of organisations, a cluster of innovation ICT-based centres, pilot sites in 4 Member States. DIEGO aims to enable public authorities to offer a wide range of citizen-centric, eAccessibility solutions to disadvantaged citizens (those with cognitive, physical/mobility, hearing, speech and visual impairments).

Concerning eParticipation, five pilots (Pilot B) have been selected. PARTERRE addresses the European market potential of two tools previously developed: Electronic Town Hall and Online consultation tool for urban planning. "PUZZLED BY POLICY" aims to integrate pre-existing tools into a multilingual, multi-channel platform to influence policymaking, to increase transparency and encourage debate; it focuses on migration issues and on reducing the complexity of legislative and decision making processes at EU level. "IMMIGRATION POLICY 2.0" aims also to create services that will enhance the citizens' (immigrants) participation in the policy and decision making processes. OURSPACE aims at creating a social networking collaboration space to involve young people in socio-political decision making (targeting topics such as unemployment or education). MYUNIVERSITY aims to increase the direct participation of university members and stakeholders in the higher-education decision making process.

- For "*Theme 4 ICT for energy efficiency and environment*", eSESH, E3SoHo, 3e-HOUSES (Pilot B) aims to enable sustained reductions in energy consumption across European social housing. A significant reduction of 25% is expected. Solutions are tested in different sites. This will be done by reducing the energy consumption, changing energy-use patterns and increasing the share of RES, through the delivery of usable ICT-based energy management and awareness services directly to tenants; and by providing effective ICT monitoring and control of local power generation and the full heat delivery chain for district / building systems. Pilots will also help to provide data in support of policy and investment decisions at national, regional and organisational level.
- For "*Theme 5 Multilingual Web*", eight pilots (pilotB) have been selected. Three clustered pilots – iTRANSLATE4; Lets MT and PLUTO - address automatic translation for the web platforms and services for businesses and citizens. Four clustered pilots –MORMED and EASTIN-CL - address multilingual web content management and related information

access services with ATLAS and FLAVIUS focussing on multilingual web content production cycle; with MORMED developing a multilingual portal for doctors and patients on rare diseases and EASTIN-CL targeting cross-lingual access to information for disabled persons. In addition GALATEAS addresses the issue of query analysis, interpretation and translation for digital libraries, web portals and search engine companies

- For *"Theme 6: Public Sector Information (PSI)"*, five Pilots (Pilot B) have been selected concerning a better use of PSI, in particular geographic information. They address solutions combining existing datasets and providing web services to facilitate the exploitation of PSI. EUROGEOSOURCE aims to develop the EU information and policy support system for sustainable supply of Europe with energy and mineral resources. HABITATS support the implementation of the EU INSPIRE initiative. THERMOMAP aims at fostering the potential of using geothermal data across Europe. BRISEIDE will pilot time-aware extension of data models and services managing spatial temporal data and data extraction from distributed data bases. HLANDATA will enhance data models on Land Cover/ Land Use according to requirements at regional and local level.
- For *"Theme 7: Internet evolution and security"*, SEMIRAMIS (pilot B) aims at deploying common rules and specifications for secure information management within organisations and across trans-EU e-service chains, including service compositions with public and private e-services. RFID-ROI-SME (pilot B) will assist European SMEs in understanding and fully leveraging the potential benefits of RFID technology; it will cover twelve cases targeting a wide range of sectors across six European countries. RFID-F2F addresses the food sector, and aims at showcasing to SMEs what is needed in terms of technology, business processes, skill and management for an RFID implementation.
- For *"Theme 8: Open innovation, user experience and living labs"*, the pilot APOLLON (type B) aims at networking and harmonising Living Lab approaches throughout Europe. It will evaluate the positive impact of domain specific cross-border Living Lab networks (ie with eHealth, eEnergy, eManufacturing and eParticipation domains covered in three to five different Living Labs). This approach enables SMEs to test and experiment their products and services outside of their home market and gain access to a true European market space, while being supported by large industrial companies, academic centres and other Living Lab stakeholders.

Activities such as dissemination and experience sharing are an important aspect for those pilots in view of stimulating a wider adoption or replication of those services across Europe.

In addition, 4 Thematic Networks are launched for experience sharing and consensus building in the following domains:

- eACCESS+ aiming to harmonise and synthesise existing knowledge and reduce the fragmentation of initiatives on eAccessibility (in theme 1);
- LAPSI addressing legal aspects of public sector information (in theme 2).
- NET-EUCEN aiming to promote user centricity in egovernment (in theme 3);
- MULTILINGUAL WEB addressing standards and other conventions for fuller multilingualism on the web (in theme 5);

More details on the projects and their budget are provided in the table in annex I.



### Other measures in 2009

The other measures, including annual benchmarking of the European information society, studies and conferences have been also supported for nearly €8 million.

Those measures have been implemented through calls for tenders or grants without call for proposals.

The list of actions and budget are provided in the table in annex II.

### **3. OVERVIEW OF ICT PSP BUDGET EXECUTION IN 2009**

The total budget allocated to implementation of ICT PSP for the period 2007-2013 is €728 million<sup>6</sup>.

The total amount of ICT PSP budget for 2009 was €107.479 million (for total commitment appropriations) that were attributed to the ICT PSP Work Programme 2009.

In total, the execution rate was 99.98% in 2009<sup>7</sup>.

### **4. FURTHER INFORMATION**

For further information relating to the ICT Policy Support Programme, its implementation and the funded projects can be found on the programme web site at [http://ec.europa.eu/ict\\_psp](http://ec.europa.eu/ict_psp).

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<sup>6</sup> Not including additional budget from countries associated to the programme

<sup>7</sup> Not taking into account the additional contribution coming from third countries (Croatia and Turkey in that case)

## Annex I: Details on the objectives and budget allocation

Call for proposals (call3 and call3bis of ICT PSP)

Themes	Objectives	Projects for negotiation	Budget for implementation per objective	Budget for implementation per theme
Theme 1 : ICT for health, ageing and inclusion	1.1: ICT for patient-centred health service	1 large scale Pilot (Pilot A): <b>RENEWING HEALTH</b>	7 M€	<b>16,9 M€</b>
	1.2: Innovative eHealth tools and services in real life – learning together	No proposal retained		
	1.3: ICT for ageing well / independent living	4 Pilots <b>inCASA</b> <b>HOME SWEET HOME</b> <b>INDEPENDENT</b> <b>CAALYX-MV</b>	2,14 M€ 2,439 M€ 2,625 M€ 1,955 M€	
	1.4: e-Accessibility thematic network	1 Thematic network <b>eACCESS+</b>	0,741 M€	
Theme 2 : Digital Libraries	2.1: European Digital Library - services	1 Best Practice Network: <b>ASSETS</b>	4,25 M€	<b>26,6 M€</b>
	2.2: European Digital Library – aggregating digital content in Europeana	3 Best Practice Networks: <b>CARARE</b> <b>ECLAP</b> <b>HOPE</b>	4,3 M€ 3,4 M€ 2,7 M€	
	2.3: European Digital Library – Digitising content for Europeana	3 Pilots <b>EUROPEANA REGIA</b> <b>thinkMOTION</b> <b>EURO-Photo</b>	1,7 M€ 2,2 M€ 2,3 M€	
	2.4: Open access to scientific information	2 Pilots <b>VOA3R</b> <b>EuDML</b>	1,8 M€ 1,6 M€	
	2.5: Use of cultural heritage material for education	1 Pilot <b>NATURAL EUROPE</b>	2,35 M€	
Theme 3: ICT for government and governance	3.1: Enlargement of the e-Procurement Pilot PEPPOL	1 large scale Pilot (Pilot A) <b>Enlargement of PEPPOL</b>	5,6 M€	<b>24,406 M€</b>
	3.2: Enlargement of the e-IDM Pilot STORK	1 large scale Pilot (Pilot A) <b>Enlargement of STORK</b>	3,073 M€	
	3.3: Inclusive eGovernance: flexible, personalised and multi-channel based service delivery targeted at the socially disadvantaged.	3 Pilots <b>EGOV4U</b> <b>CEMSDI</b> <b>DIEGO</b>	2,434 M€ 2,591 M€ 2,5 M€	
	3.4: User Centricity for e-Governance	1 Thematic network <b>NET-EUCEN</b>	0,717 M€	
	3.5: eParticipation, empower and involve citizens in transparent decision-making in the EU	5 Pilots <b>PARTERRE</b> <b>PUZZLED BY POLICY</b> <b>OURSAPCE</b> <b>IMMIGRATION POLICY 2.0</b> <b>MYUNIVERSITY</b>	1,166 M€ 1,946 M€ 1,290 M€ 1,939 M€ 1,150 M€	

Themes	Objectives	Projects for negotiation	Budget for implementation per objective	Budget for implementation per theme
Theme 4 : ICT for energy efficiency and environment	4.1: ICT for energy efficiency in social housing	3 Pilots : <b>eSESH</b> <b>E3SoHo</b> <b>3e-HOUSES</b>	2,986 M€ 2 M€ 2 M€	<b>6,986 M€</b>
	4.2: ICT for prevention, alert and rescue to minimise impacts of climate change	No proposal retained		
Theme 5 : Multilingual Web	5.1: Machine translation for the multilingual web	3 Pilots: <b>ITRANSLATE4</b> <b>PLUTO</b> <b>LETS MT!</b>	2,025 M€ 2,2 M€ 1,67 M€	<b>13,95 M€</b>
	5.2: Multilingual Web content management: standards and best practices	1 Thematic network <b>MULTILINGUAL WEB</b>	0,414 M€	
	5.3: Multilingual Web content management: methods, tools and processes	5 Pilots: <b>FLAVIUS</b> <b>ATLAS</b> <b>MORMED</b> <b>EASTIN-CL</b> <b>GALATEAS</b>	1,85 M€ 1,755 M€ 1,111 M€ 1,075 M€ 1,85 M€	
Theme 6: Public Sector information	6.1: Legal aspects of Public Sector Information	1 Thematic network <b>LAPSI</b>	0,517 M€	<b>8,571 M€</b>
	6.2: Geographic Information	5 Pilots: <b>EUROGEOSOURCE</b> <b>HABITATS</b> <b>THERMOMAP</b> <b>BRISEIDE</b> <b>H LANDATA</b>	1,296 M€ 1,212 M€ 1,934 M€ 1,909 M€ 1,703 M€	
Theme 7: Internet evolution and security (including RFID)	7.1: A European infrastructure for secure information management	1 Pilot: <b>SEMIRAMIS</b>	2,017 M€	<b>6,017 M€</b>
	7.2: Strengthening SME competitive advantage through RFID implementation	2 Pilots: <b>RFID-ROI-SME</b> <b>RFID-F2F</b>	2,2 M€ 1,8 M€	
Theme 8: Open innovation, user experience and living labs	8.1: Sharing of best practice across European Living Labs involving SMEs as key user- and provider-participants	1 Pilot: <b>APOLLON</b>	4,0 M€	<b>4 M€</b>

Total	Large scale Pilots (Pilot A) or enlargement of Pilot A	3	15,673 M€	<b>107.430 M€</b>
	Best Practice Networks	4	14,65 M€	
	Pilots (Pilot B)	38	74,718 M€	
	Thematic Networks	4	2,389 M€	

## Annex Ibis: Details on the objectives and budget allocation

### Other measures implemented through call for tender or grants without call for proposals

Other measures, objectives	including	Budget
4.1: Benchmarking the progress of the Information Society	<ul style="list-style-type: none"> <li>- Households and Enterprises surveys</li> <li>- Benchmarking deployment of ehealth services</li> <li>- benchmarking eGovernment</li> <li>- A survey on Digital identities</li> <li>- Broadband Internet access costs</li> <li>- Broadband coverage EU 27</li> </ul>	<b>3.8 M€</b>
4.2: Studies, conferences, events and support to evaluations, reviews and communication	<p>Studies :</p> <ul style="list-style-type: none"> <li>- i2010 evaluation and impact assessment</li> <li>- Study on public sector bodies agreements for re-use of public sector information (PSI)</li> <li>- Study on a Life Events approach for accessing eGovernment services</li> <li>- Study for eGovernment scenarios for 2020</li> <li>- Study on Enterprise 2.0</li> </ul> <p>Common repository</p> <ul style="list-style-type: none"> <li>- extension of ePractice portal (ePractice.EU)</li> </ul> <p>Support to events :</p> <ul style="list-style-type: none"> <li>- eGovernment biannual conference (grant to the EU Presidency)</li> <li>- eHealth ministerial conference (grant to the EU Presidency)</li> </ul>	<b>4.3. M€</b>

## Annex II: Statistics

